AMENDMENTS TO THE CLAIMS

1. (Currently amended) An image processing device comprising:

processing degree setting ~~means for~~unit operable to ~~setting~~set a target degree of color processing with regard to at least two properties of a plurality of properties of an image signal, as a single target processing degree;

processing coefficient group creation ~~means for~~unit operable to ~~creating~~create a processing coefficient group for performing the color processing of the target processing degree, based on the target processing degree that is set by the processing degree setting ~~means~~unit and a plurality of base coefficient groups that perform the color processing to differing degrees; and

color processing execution ~~means for~~unit operable to ~~performing~~perform the color processing with respect to the image signal using the processing coefficient group that is created by the processing coefficient group creation ~~means~~unit.

2. (Currently amended) The image processing device according to claim 1,

wherein the processing coefficient group creation ~~means~~unit creates the processing coefficient group by interpolating or extrapolating the plurality of base coefficient groups based on the target processing degree.

3. (Original) The image processing device according to claim 1,

wherein the plurality of properties include a hue, a vividness, and a brightness of the image signal.

4. (Original) The image processing device according to claim 1,

wherein the color processing is memory color correction.

5. (Currently amended) The image processing device according to claim 4,

wherein the processing degree setting ~~means~~unit sets a correction trend of memory color correction as the target processing degree; and

wherein the processing coefficient group creation ~~means~~unit creates the processing coefficient group by interpolating or extrapolating the plurality of base coefficient groups for performing memory color correction with different correction trends based on the target processing degree.

6. (Currently amended) The image processing device according to claim 4,

wherein the processing degree setting ~~means~~unit sets a correction strength of memory color correction as the target processing degree; and

wherein the processing coefficient group creation ~~means~~unit creates the processing coefficient group by interpolating or extrapolating a base coefficient group for performing memory color correction of a predetermined correction strength and a base coefficient group with which memory color correction is not performed, based on the target processing degree.

7. (Currently amended) The image processing device according to claim 1,

wherein the plurality of base coefficient groups are a plurality of base matrix data whose size corresponds to the number of the plurality of properties of the image signal; and

wherein the color processing execution ~~means~~unit performs a matrix computation on the image signal using processing matrix data that is created by the processing coefficient group creation ~~means~~unit.

8. (Currently amended) The image processing device according to claim 7,

wherein the processing coefficient group creation ~~means~~unit creates the processing matrix data by interpolating or extrapolating the base matrix data based on the target processing degree.

9. (Currently amended) The image processing device according to claim 1,

wherein the plurality of base coefficient groups are a plurality of base lookup tables that store values of the image signal after the color processing, corresponding to the values of the image signal; and

wherein the color processing execution ~~means~~unit performs the color processing on the image signal using a processing lookup table that is created by the processing coefficient group creation ~~means~~unit.

10. (Currently amended) The image processing device according to claim 9,

wherein the processing coefficient group creation ~~means~~unit creates the processing lookup table by interpolating or extrapolating the base lookup tables based on the target processing degree.

11. (Currently amended) The image processing device according to claim 1,

wherein the processing degree setting ~~means~~unit has first processing degree setting ~~means~~unit for setting a first target processing degree, which is a target for a correction trend of memory color correction, and second processing degree setting ~~means~~unit for setting a second target processing degree, which is a target for a correction strength of memory color correction;

wherein the processing coefficient group creation ~~means~~unit creates the processing coefficient group by interpolating or extrapolating the plurality of base coefficient groups for performing memory color correction at different correction trends, based on the first processing degree and the second processing degree.

12. (Currently amended) The image processing device according to claim 1,

wherein the processing coefficient group creation ~~means~~unit creates the processing coefficient group by changing only a specific section of the base coefficient groups.

13. (Currently amended) The image processing device according to claim 12,

wherein the specific section is a section that is determined by the processing degree setting ~~means~~unit.

14. (Currently amended) The image processing device according to claim 12 ~~or 13~~,

wherein the specific section is a section of the base coefficient groups that gives a transformation coefficient for a predetermined memory color.

15. (Currently amended) An image processing system comprising:

image processing execution ~~means for~~unit operable to ~~performing~~perform image processing of an image signal and outputting a processed signal; and

display signal creation ~~means for~~unit operable to ~~creating~~create a display signal for displaying the processed signal;

wherein the display signal is a signal that is obtained by reprocessing a predetermined region of the processed signal; and

wherein the predetermined region is a region that is specified by comparing gradation properties of the image signal and the processed signal.

16. (Original) The image processing system according to claim 15,

wherein the predetermined region is a region whose gradation order with respect to surrounding regions is different for the image signal and the processed signal.

17. (Original) The image processing system according to claim 15,

wherein the reprocessing is processing for transforming a color of the predetermined region.

18. (Currently amended) An image processing method, comprising the steps of:

(a)~~a processing degree setting step of~~ setting a target degree of color processing with regard to at least two properties of a plurality of properties of an image signal, as a single target processing degree;

(b)~~a processing coefficient group creation step of~~ creating a processing coefficient group for performing the color processing of the target processing degree, based on the target processing degree that is set in the ~~processing degree setting~~ step (a) and a plurality of base coefficient groups for performing the color processing to differing degrees; and

(c)~~a color processing execution step of~~ performing the color processing with respect to the image signal using the processing coefficient group that is created in the ~~processing coefficient group creation~~ step (b).

19. (Currently amended) An image processing program for performing color processing of an image signal through a computer;

wherein the image processing program causes a computer to perform an image processing method comprising the steps of:

(a)~~a processing degree setting step of~~ setting a target degree of the color processing with regard to at least two properties of a plurality of properties of the image signal, as a single target processing degree;

(b)~~a processing coefficient group creation step of~~ creating a processing coefficient group for performing the color processing of the target processing degree, based on the target processing degree that is set in the ~~processing degree setting~~ step (a) and a plurality of base coefficient groups for performing the color processing to differing degrees; and

(c)~~a color processing execution step of~~ performing the color processing with respect to the image signal using the processing coefficient group that is created in the ~~processing coefficient group creation~~ step (b).

20. (Original) An integrated circuit device comprising:

a processing degree setting portion for setting a target degree of color processing with regard to at least two properties of a plurality of properties of an image signal, as a single target processing degree;

a processing coefficient group creation portion for creating a processing coefficient group for performing the color processing of the target processing degree, based on the target processing degree that is set by the processing degree setting portion and a plurality of base coefficient groups that perform the color processing to differing degrees; and

a color processing execution portion for performing color processing with respect to the image signal using the processing coefficient group that is created by the processing coefficient group creation portion.

21. (Currently amended) An image processing method comprising the steps of:

(a)~~an image processing execution step of~~ performing image processing of an image signal and outputting a processed signal; and

(b)~~a display signal creation step of~~ creating a display signal for displaying the processed signal;

wherein the display signal is a signal that is obtained by reprocessing a predetermined region of the processed signal; and

wherein the predetermined region is a region that is specified by comparing gradation properties of the image signal and the processed signal.

22. (Currently amended) An image processing program that causes a computer to perform an image processing method comprising the steps of:

(a)~~an image processing execution step of~~ performing image processing of an image signal and outputting a processed signal; and

(b)~~a display signal creation step of~~ creating a display signal for displaying the processed signal;

wherein the display signal is a signal that is obtained by reprocessing a predetermined region of the processed signal; and

wherein the predetermined region is a region that is specified by comparing gradation properties of the image signal and the processed signal.

23. (Original) An integrated circuit device comprising:

an image processing execution portion for performing image processing of an image signal and outputting a processed signal; and

a display signal creation portion for creating a display signal for displaying the processed signal;

wherein the display signal is a signal that is obtained by reprocessing a predetermined region of the processed signal; and

wherein the predetermined region is a region that is specified by comparing gradation properties of the image signal and the processed signal.